

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  
Wolfgang Buchalla et al.  
Serial No. 09/835,614  
Filed: April 16, 2001  
Title: Luminescence Assisted Caries Excavation

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09/835 614 ) 3783  
) Group: 2838  
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) Examiner: J. Wilson  
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#8  
Amelia  
S. Bryce  
1/16/03

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AMENDMENT

JAN 10 2003

GROUP 3700

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Responsive to the Office Action dated September 13, 2002, having a period for response set to expire December 13, 2002, which period has been extended for an additional one (1) month to January 13, 2003, Applicants hereby submit the following amendment.

IN THE SPECIFICATION

Please amend the specification as indicated below.

Please replace paragraph 23, which can be found on page 11, with the following replacement paragraph.

[0023] Referring now to the drawings and particularly to Fig. 1, dental handpiece 22 includes housing 10, with motor housing 20 having a motor (not shown) contained therein. In an alternative embodiment, housing 10 does not contain a motor, but rather includes an air turbine located adjacent drill head 18 (discussed hereinbelow). Dental handpiece 22 further includes light source 12. As illustrated, light source 12 is contained within motor housing 20, although it is contemplated that light source 12 may be positioned in various alternative locations within housing 10. Light source 12 is connected via light guides 14 to opening 16 in housing 10. Dental handpiece 22 further includes drill head 18 (or other device for excavating unhealthy tooth substance) operably connected to the motor housed within motor housing 20. Dental handpiece 22 is connected to appropriate sources of power as is conventional in the art. Opening 16 is configured whereby light produced by light source 12 is projected from dental handpiece 22 substantially in a direction along which drill head 18 protrudes from dental handpiece 22.